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DuPont Haskell Global Centers
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1090 Elkton Road, P.O. Box 50
Newark, DE 19714-0050

September 1, 2011

Via Federal Express

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Room 6428
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20004



Dear 8(e) Coordinator:

Furan, 2-(2-bromo-2-nitroethenyl)-
CAS# 35950-52-8

This letter is to inform you of the results of a micronucleus test with the above referenced test substance.

In a Dose-Range-Finding study, test substance was administered intraperitoneally to seven groups of 4 (2 males and 2 females) CD-1 mice at dose levels of 0.75, 5, 25, 75, 100, 200 and 300 mg/kg of body weight. Mice were observed for mortality and clinical signs immediately and at 24, 48 or 72 hours after dose administration at which time the remaining animals were sacrificed. Mortalities noted in the 0.75, 5, 25, 75, 100, 200 and 300 mg/kg dose levels were 0/0, 0/0, 2/4, 3/4, 4/4, and 4/4, respectively. All mice at all dose levels had writhing immediately after dosing. The animals dosed with 0.75 and 5 mg/kg recovered by 24 hours. Mice in the other groups exhibited one or more of following signs during the observation period: ptosis, prostrate, decreased body tone, decreased activity, tremors, abnormal gait, piloerection, convulsions and cyanosis. Based on the results, 0.5, 2.5, and 5 mg/kg were selected for micronucleus study. Three groups of 10 (5 males and 5 females) mice were administered at 5 mg/kg body weight and sacrificed at 24, 48 or 72 hours. Two additional groups of mice were administered at 0.5 mg/kg or 2.5 mg/kg of body weight and sacrificed at 24 hours after dosing. No clinical signs were observed at the two lower dose levels. At 5 mg/kg, writhing, piloerection, decreased body tone, and ptosis were observed. The results were negative for micronucleus evaluation.

This information is submitted in accordance with current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act or, where it is not clear that reporting criteria have been met, it is submitted as a precautionary measure and because it is information in which EPA may have an interest.

Sincerely,

S. Satheesh Anand, Ph.D., DABT
Senior Research Toxicologist

SSA/GJ: clp
(302) 366-5314



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